

Form PTO-948 (Rev. 06/03)  
Application No. 10/707,938

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

## NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 1-27-04 are:

- approved by the Draftsperson under 37 CFR 1.84 or 1.152.
- objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

<p><b>1. DRAWING</b> 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required).</p> <p>— Color drawings are not acceptable until petition is granted. Fig(s) _____</p> <p>— Pencil and ink black ink not permitted. Fig(s) _____</p>	<p><b>8. ARRANGEMENT OF VIEWS</b> 37 CFR 1.84(i)</p> <p>— Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____</p>
<p><b>2. PHOTOGRAPHS</b> 37 CFR 1.84(b)</p> <p>— One (1) full-tone set is required. Fig(s) _____</p> <p>— Photographs may not be mounted. 37 CFR 1.84(c)</p> <p>— Photographs must meet paper size requirements of 37 CFR 1.84(f). Fig(s) _____</p> <p>— Poor quality (half-tone). Fig(s) _____</p>	<p><b>9. SCALE</b> 37 CFR 1.84(k)</p> <p>— Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____</p>
<p><b>3. TYPE OF PAPER</b> 37 CFR 1.84(c)</p> <p>— Paper not flexible, strong, white, and durable. Fig(s) _____</p> <p>— Erasures, iterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____</p>	<p><b>10. CHARACTER OF LINES, NUMBERS, &amp; LETTERS</b> 37 CFR 1.84(l)</p> <p>— Lines, numbers &amp; letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) <u>1, 2</u> _____</p>
<p><b>4. SIZE OF PAPER</b> 37 CFR 1.84(f): Acceptable sizes:</p> <p>— 21.0 cm by 29.7 cm (DIN size A4) or 21.6 cm by 27.9 cm (8 1/2x 11 inches)</p> <p>— All drawing sheets not the same size.</p> <p>Sheet(s) _____</p> <p>— Drawings not an acceptable size. Fig(s) _____</p>	<p><b>11. SHADING</b> 37 CFR 1.84(m)</p> <p>— Solid black areas pale. Fig(s) _____</p> <p>— Solid black shading not permitted. Fig(s) _____</p>
<p><b>5. MARGINS</b> 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm</p> <p>— Margins not acceptable. Fig(s) <u>1</u> _____</p> <p>— Top (T) <input checked="" type="checkbox"/> Left (L) <input type="checkbox"/> Right (R) <input type="checkbox"/> Bottom (B) <input type="checkbox"/></p>	<p><b>12. NUMBERS, LETTERS, &amp; REFERENCE CHARACTERS</b> 37 CFR 1.84(p)</p> <p>— Numbers and reference characters not plain and legible. Fig(s) _____</p> <p>— Figure legends are poor. Fig(s) _____</p> <p>— Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____</p> <p>— English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) _____</p> <p>— Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s) _____</p>
<p><b>6. VIEWS</b> 37 CFR 1.84(h)</p> <p>REMINDER: Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig. 1B and Fig. 1C, etc., the specification, in the Brief Description of the Drawings, must likewise be changed.</p> <p>— Views not labeled <u>separately</u> or <u>properly</u>. Fig(s) <u>1, 2</u> _____</p>	<p><b>13. LEAD LINES</b> 37 CFR 1.84(q)</p> <p>— Lead lines missing. Fig(s) _____</p>
<p><b>7. SECTION/LEADER VIEWS</b> 37 CFR 1.84(h)(3)</p> <p>— Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____</p>	<p><b>14. NUMBERING OF SHEETS OF DRAWINGS</b> 37 CFR 1.84(t)</p> <p>— Sheets not numbered consecutively, and in Arabic numbers beginning with number 1. Sheet(s) _____</p>
	<p><b>15. NUMBERING OF VIEWS</b> 37 CFR 1.84(u)</p> <p>— Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____</p>
	<p><b>16. DESIGN DRAWINGS</b> 37 CFR 1.152</p> <p>— Surface shading shown not appropriate. Fig(s) _____</p> <p>— Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s) _____</p>

**COMMENTS** Remove total title block from Fig. 1, 2  
Label Fig. 2 as FIG. 2A, 2B

Reviewer C. HABER

If you have questions, call (703) 305-8404.

Date 8-19-04

Attachment to Paper No. \_\_\_\_\_